

Amendments to the Claims:

This listing of claims shall replace all prior versions and listings of claims.

Listing of Claims:

Claim 1 (canceled)

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Claims 2 (original): The isolated nucleic acid molecule of claim 1, wherein the polynucleotide fragment comprises a nucleotide sequence encoding a secreted protein.

Claims 3-12 (canceled)

Claim 13 (original): An isolated antibody that binds specifically to the isolated polypeptide of claim 11.

Claim 14 (original): A recombinant host cell that expresses the isolated polypeptide of claim 11.

Claims 15-16 (canceled)

Claim 17 (previously amended): A method for preventing, treating, or ameliorating a medical condition, comprising administering to a mammalian subject a therapeutically effective amount of the polypeptide of claim 11.

Claim 18 (original): A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:

(a) determining the presence or absence of a mutation in the polynucleotide of claim 1; and

(b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or absence of said mutation.

Claim 19 (original): A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:

(a) determining the presence or amount of expression of the polypeptide of claim 11 in a biological sample; and

(b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or amount of expression of the polypeptide.

Claim 20 (original): A method for identifying a binding partner to the polypeptide of claim 11 comprising:

- (a) contacting the polypeptide of claim 11 with a binding partner; and
- (b) determining whether the binding partner effects an activity of the polypeptide.

Claims 21-24 (canceled)

Claim 25 (new): An isolated protein comprising amino acid residues 2 to 341 of SEQ ID NO:466.

Claim 26 (new): The isolated protein of claim 25 which comprises amino acid residues 1 to 341 of SEQ ID NO:466.

Claim 27 (new): The protein of claim 25 which further comprises a heterologous polypeptide sequence.

Claim 28 (new): A composition comprising the protein of claim 25 and a carrier.

Claim 29 (new): An isolated protein produced by the method comprising:

- (a) expressing the protein of claim 25 by a cell; and
- (b) recovering said protein.

Claim 30 (new): An isolated protein comprising the amino acid sequence of the complete polypeptide encoded by the HNTBI57 cDNA contained in ATCC Deposit No. 209423, excepting the N-terminal methionine.

Claim 31 (new): The isolated protein of claim 30 which comprises the amino acid sequence of the complete polypeptide encoded by the HNTBI57 cDNA contained in ATCC Deposit No. 209423.

Claim 32 (new): The protein of claim 30 which further comprises a heterologous polypeptide sequence.

Claim 33 (new): A composition comprising the protein of claim 30 and a carrier.

Claim 34 (new): An isolated protein produced by the method comprising:

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- (a) expressing the protein of claim 30 by a cell; and
- (b) recovering said protein.

Claim 35 (new): An isolated first polypeptide at least 90% identical to a second polypeptide consisting of amino acid residues 1 to 190 of SEQ ID NO:466, wherein said first polypeptide is capable of generating or selecting an antibody that specifically binds said second polypeptide.

Claim 36 (new): The isolated first polypeptide of claim 35, wherein said antibody is capable of binding said second polypeptide in a Western blot.

Claim 37 (new): The isolated first polypeptide of claim 35, wherein said antibody is capable of binding said second polypeptide in an ELISA assay.

Claim 38 (new): The isolated polypeptide of claim 35, wherein said first polypeptide is at least 95% identical to said second polypeptide.

Claim 39 (new): The protein of claim 35 which comprises a polypeptide sequence heterologous to SEQ ID NO:83.

Claim 40 (new): A composition comprising the protein of claim 35 and an acceptable carrier.

Claim 41 (new): An isolated protein produced by the method comprising:

- (a) expressing the protein of claim 35 by a cell; and
- (b) recovering said protein.

Claim 42 (new): An isolated first polypeptide at least 90% identical to a second polypeptide consisting of the complete polypeptide encoded by the HNTBI57 cDNA contained in ATCC Deposit No. 209423, wherein said first polypeptide is capable of generating or selecting an antibody that specifically binds said second polypeptide.

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Claim 43 (new): The isolated first polypeptide of claim 42, wherein said antibody is capable of binding said second polypeptide in a Western blot.

Claim 44 (new): The isolated first polypeptide of claim 42, wherein said antibody is capable of binding said second polypeptide in an ELISA assay.

Claim 45 (new): The isolated polypeptide of claim 42, wherein said first polypeptide is at least 95% identical to said second polypeptide.

Claim 46 (new): The protein of claim 42 which further comprises a polypeptide sequence heterologous to the HNTBI57 cDNA contained in ATCC Deposit No. 209423.

Claim 47 (new): A composition comprising the protein of claim 42 and an acceptable carrier.

Claim 48 (new): An isolated protein produced by the method comprising:
(a) expressing the protein of claim 42 by a cell; and
(b) recovering said protein.

Claim 49 (new): An isolated protein consisting of at least 30 contiguous amino acid residues of amino acid residues 1 to 341 of SEQ ID NO:466.

Claim 50 (new): The isolated protein of claim 49 which consists of at least 50 contiguous amino acid residues of amino acid residues 1 to 341 of SEQ ID NO:466.

Claim 51 (new): The protein of claim 49 which further comprises a heterologous polypeptide sequence.

Claim 52 (new): A composition comprising the protein of claim 49 and a carrier.

Claim 53 (new): An isolated protein produced by the method comprising:
(a) expressing the protein of claim 49 by a cell; and
(b) recovering said protein.

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Claim 54 (new): An isolated protein consisting of at least 30 contiguous amino acid residues of the complete polypeptide encoded by the HNTBI57 cDNA contained in ATCC Deposit No. 209423.

Claim 55 (new): The isolated protein of claim 54 which consists of at least 50 contiguous amino acid residues of the complete polypeptide encoded by the HNTBI57 cDNA contained in ATCC Deposit No. 209423.

Claim 56 (new): The protein of claim 54 which further comprises a heterologous polypeptide sequence.

Claim 57 (new): A composition comprising the protein of claim 54 and carrier.

Claim 58 (new): An isolated protein produced by the method comprising:

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- (a) expressing the protein of claim 54 by a cell; and
 - (b) recovering said protein.
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